

U.S. Army Corps  
of Engineers  
Rock Island District



Defense Environmental Restoration Program  
for  
Formerly Used Defense Sites  
Ordnance and Explosive Waste

## Archives Search Report

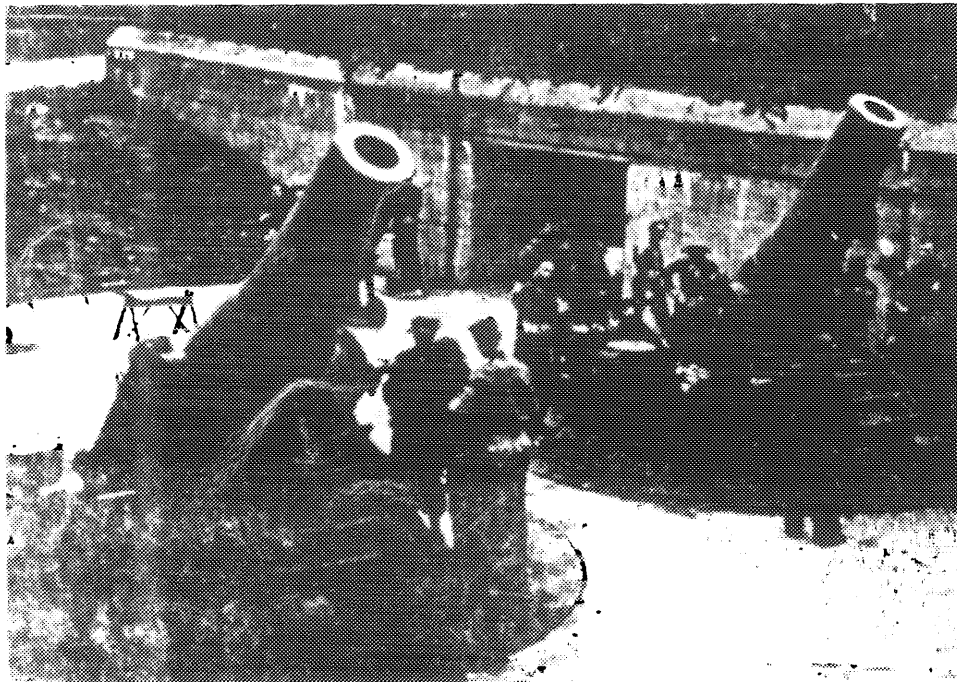
### CONCLUSIONS AND RECOMMENDATIONS

for  
the former

### FORT MCKINLEY MILITARY RESERVATION

Portland, Maine  
Project Number D01ME042402

February 1995  
(Revision 1)



**PROJECT FACT SHEET**  
**FORMERLY USED DEFENSE SITES**  
**February 1995**

1. **SITE NAME:** Fort McKinley Military Reservation

**SITE NUMBER:** D01ME042400

**LOCATION:**

**CITY:** Portland  
**COUNTY:** Cumberland  
**STATE:** Maine

**PROJECT NUMBER:** D01ME042402

**CATEGORY:** OEW

2. **POC:**

**SUPPORT DISTRICT POC:**

**NAME:** Jerry D. Russell  
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**GEO DIVISION POC:**

**NAME:** William Kavanaugh  
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**HEADQUARTERS POC:**

**NAME:** Sara Angus  
**OFFICE:** CEMP-RF  
**PHONE:** (202) 504-5223

**TECHNICAL MANAGER:**

**NAME:**  
**OFFICE:** CEHND-PM-OT  
**PHONE:**

3. **SITE DESCRIPTION:** The 190.78 acres that comprised the former Fort McKinley are currently being converted into a housing development and resort. The former Fort McKinley Military Reservation is currently owned by Diamond Cove Associates. Many of the forts old buildings are being converted to condominiums and buildings in support of the resort. The battery sites are undeveloped and do not currently figure in future development.

4. **SITE HISTORY:** The former Fort McKinley Military Reservation consisted of approximately 190.78 acres. Fort McKinley Military Reservation was used by the Army for coastal defense from the Spanish American War through World War II. There was a total of nine artillery batteries located at Fort McKinley over a period from 1901 to 1947. The fort was also responsible for storage, assembly, planting, and control of underwater mines. On 17 November 1954, the Army transferred accountability of the entire site to the Navy. The Navy used the site as a fleet training center and as a receiving station. The Navy reported this site excess to GSA for disposal on 15 June 1961.

5. PROJECT DESCRIPTION:

Area A:

Size, Acres:	190.78
Former Usage:	Coastal Artillery Battery
Present Usage:	Housing Development
Probable End Usage:	Same
Ordinance Presence:	Uncontaminated
Types:	
Density:	
Ordinance Depths:	
Risk Assessment	5

Area B:

Size, Acres:	84,967.38
Former Usage:	Artillery Impact Area
Present Usage:	Ocean
Probable End Usage:	Ocean
Ordinance Presence:	Potential
Types:	37mm, 40mm, 3", 6", 8", 12" Projectiles. HE, AP, and TP.
Density:	UNKNOWN
Ordinance Depths:	UNKNOWN
Risk Assessment	Not Assessed

Area C:

Size, Acres:	5,898.12
Former Usage:	Urban/Rural
Present Usage:	Urban/Rural
Probable End Usage:	Same
Ordinance Presence:	Uncontaminated
Types:	
Density:	
Ordinance Depths:	
Risk Assessment	Not Assessed

6. CURRENT STRATEGY:

Areas A: No Further Action

Area B: No Further Action at this time.

Area C: No Further Action

7. ISSUES AND CONCERNS:

Although Area B is not currently FUDS Eligible, there is potential ordnance contamination in the area.

8. CURRENT STATUS:

PA: 100%  
ASR: 100%  
INTERIM REMOVAL ACTION: N/A

EE/CA:

Area A: Not Proposed  
Area B: Not Proposed  
Area C: Not Proposed  
RD: Not Scheduled  
RA: Not Scheduled

9. SCHEDULE SUMMARY:

<u>Phase</u>	<u>Orig.</u>	<u>Sch.</u>	<u>Actual</u>	<u>Orig.</u>	<u>Sch.</u>	<u>Actual</u>
	<u>Start</u>	<u>Start</u>	<u>Start</u>	<u>Comp.</u>	<u>Comp.</u>	<u>Comp.</u>

10. FUNDING/BUDGET SUMMARY:

<u>Year</u>	<u>Phase</u>	<u>EXEC</u>	<u>IN House</u>	<u>Contract</u>	<u>Funds</u>
		<u>FOA</u>	<u>Required</u>	<u>Required</u>	<u>Obligated</u>

ORDNANCE AND EXPLOSIVE WASTE  
ARCHIVES SEARCH REPORT  
FOR  
FORMER FORT MCKINLEY MILITARY RESERVATION  
PORTLAND, MAINE  
PROJECT NUMBER D01ME042402

ACKNOWLEDGMENT				
The following persons provided support as indicated.				
Function	Name	Title	Organization	Telephone
On-Site Assessment	Jerry D. Russell *	Safety and Occupational Health Specialist (5 yrs EOD, 5 yrs QASAS)	CENCR-ED-DN	(309) 794-5806
	Richard A. Hale	Quality Assurance Specialist Ammunition Surveillance (8 yrs QASAS)	CENCR-ED-DN	(309) 794-5808
Engineering Support	Daniel J. Holmes	Professional Engineer	CENCR-ED-DN	(309) 794-5480
Technical Library Search	Tom Reinhardt	Q.A.Spec., Ammunition (QASAS)	SMCAC-ESM	(815) 273-8749
Geographic District Support	William Kavanaugh	Project Manager	CENED-PL	(617) 647-8203
Industrial Hygiene	Bob Platt	Industrial Hygienist	HSXP-FS-RIA	(309) 782-0806
CADD	Jim Turner	Technician	CENCR-ED-DN	(309) 794-5808
* Team Leader				

ORDNANCE AND EXPLOSIVE WASTE  
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**CONCLUSIONS AND RECOMMENDATIONS**

The following conclusions and recommendations are provided by the Archives Search Report Team. These recommendations may not be the actions taken to remediate this site.

**TABLE OF CONTENTS**

Section	Page
1. INTRODUCTION .....	1
a. Subject and Purpose	
b. Scope	
2. CONCLUSIONS .....	1
a. Summary of Conclusions	
b. Historical Site Summary	
c. Site Eligibility	
d. Visual Site Inspection	
e. Confirmed Ordnance Areas	
f. Potential Ordnance Areas	
g. Uncontaminated Ordnance Areas	
h. Other Environmental Hazards	
3. RECOMMENDATIONS .....	5
a. Summary of Recommendations	
b. Preliminary Assessment Actions	
c. Ordnance and Explosive Waste Actions	
d. Hazardous and Toxic Waste Actions	

**ATTACHMENT**

- A. RISK ASSESSMENT: Area A Fort McKinley Military  
Reservation

**REPORT PLATES**

1. SITE PLAN AND PROJECT AREAS
2. FACILITY LAYOUT AND CURRENT OWNERSHIP
3. FIRING FANS
4. PHOTO LOCATIONS

ORDNANCE AND EXPLOSIVE WASTE  
ARCHIVES SEARCH REPORT  
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1. INTRODUCTION

a. **Subject and Purpose**

(1) This report presents the conclusions and recommendations of a historical records search and site inspection for Ordnance and Explosive Waste (OEW) presence located at former Fort McKinley Military Reservation Portland, Maine.

(2) The purpose of this investigation was to characterize the site for potential OEW contamination utilizing available historical records, interviews, and on-site visual inspection results.

(3) For the purpose of this report, OEW is considered unwanted and abandoned ammunition or components thereof, which contains or contained energetic, toxic, or radiological materials, and was manufactured, purchased, stored, used, and/or disposed of by the War Department/Department of Defense.

b. **Scope**

(1) The investigation focused principally on 190.78 acres that were used for the Fort McKinley Military Reservation (See plate 2).

(2) The conclusions and recommendations presented in this report were made from available records and the visual site inspection. The conclusions, including ordnance risk assessments, were based on direct or documented evidence and reasonably inferred evidence from the investigation. The recommendations were based on present DERP FUDS program goals and policies with implementation subject to approval and appropriate funding actions.

2. CONCLUSIONS

a. **Summary of Conclusions**

Table 2-1 provides a summary of conclusions.

**TABLE 2-1  
SUMMARY OF CONCLUSIONS**

Area	Former Usage	Present Usage	Probable End Usage	Size/ Acres	FUDS ELIGIBILITY		ORDNANCE PRESENCE			Risk Assessment Code
					Confirmed FUDS	Potential FUDS	Confirmed Ordnance	Potential Ordnance	Uncontaminated	
A	Coastal Artillery Fort	Housing Development	Same	190.78	Yes	-	-	-	Yes	5
B	Artillery Impact Area	Public Domain	Same	84,967.38	-	No	-	Yes	-	Not Assessed
C	Land Areas	Multiple		5,898.12	-	No	-	-	Yes	Not Assessed
Total Acreage				91,056.28						

b. **Historical Site Summary**

(1) The former Fort McKinley Military Reservation consisted of approximately 190.78 acres. The United States Army acquired approximately 181 acres by purchase and condemnation between 1873 and 1901. The Navy acquired an additional 9.78 acres by condemnation on 11 August 1942.

(2) Fort McKinley Military Reservation was utilized by the Army for coastal defense from the Spanish American War through World War II. There was a total of nine artillery batteries located at Fort McKinley over a period from 1901 to 1947. In the early years when all the batteries were active there was a total of 36 main guns on line.

(3) The fort was also responsible for storage, assembly, planting, and control of underwater mines. Early mines were loaded on site with granular TNT. These mines were later replaced by mines that were preloaded with cast TNT.

(4) On 17 November 1954, the Army transferred accountability of the entire site to the Navy. The Navy used the site as a fleet training center and as a receiving station. During the period of Government ownership, this site was never under other than DOD control and use.

(5) The Navy reported this site excess to GSA for disposal on 15 June 1961. GSA disposed of 190.78 acres fee by deed, dated 22 November 1961, to Michael A. Montalbano. The deed did not contain a recapture clause or a restoration provision. The only restriction in the deed was that the mortgage be satisfied upon sale. The site has been owned by the Current owner, Diamond Cove Associates, since 17 April 1984.

c. **Site Eligibility**

The Preliminary Assessment for the former Fort McKinley Military Reservation, also known as **Area A** in this report, was conducted by CENED (See Plate 1). The Findings and Determination Eligibility (FDE), dated 1 May 1991, found that 190.78 acres had been formerly used by the Department of Defense and as such was eligible under the Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS). An additional 84,967.38 acres were found during the ASR and has been designated as **Area B** (See Plate 1). This additional acreage is not FUDS eligible IAW USACE Memorandum, Subject: Defense Environmental Restoration Program (DERP) - Site Eligibility

Policy Clarification for Ordnance and Explosive Waste (OEW) at Formerly Used Defense Sites (FUDS), dated 15 March 1994. The referenced memorandum states that off-shore ordnance sites beyond 100 yards of mean high tide will not be added to the inventory database and are not eligible under DERP FUDS. **Area C** is not FUDS eligible as it was not formerly used by the Department of Defense (See Plate 1).

**d. Visual Site Inspection**

(1) The site inspection for the former Fort McKinley Military Reservation was conducted, 16 October 1994. Inspection of **Area A** produced no physical evidence of an OEW presence (See plate 1).

(2) The records search and interviews with local residents indicate a potential OEW presence in **Area B** (See plate 1).

(3) The records search indicates that **Area C** is uncontaminated. There were no records of OEW presence or contamination located in relation to this area.

**e. Confirmed Ordnance Areas.**

Confirmed ordnance contamination is based on direct witness of ordnance items or verifiable documented evidence. No confirmed ordnance areas were discovered during the site inspection.

**f. Potential Ordnance Areas**

Potential ordnance contamination is based on a lack of confirmed ordnance. Potential ordnance contamination is inferred from historical records, direct witness, or present day site features. **Area B** was determined to be a potential ordnance area based on confirmed firings of artillery, but with a lack of confirmed ordnance presence. This area is not considered to be FUDS eligible and as such a Risk Assessment was not performed.

**g. Uncontaminated Ordnance Areas**

(1) Uncontaminated ordnance subsites are based on a lack of confirmed or potential ordnance contamination. **Area A** was determined to be an uncontaminated ordnance area. As a result the Risk Assessment Code (RAC) for the former Fort McKinley Military Reservation was re-evaluated. See attachment A for revised RAC documentation. This assessment is based on the lack of a verifiable

OEW presence in **Area A**. The Risk Assessment in table 2-1 was based on the site investigation performed 16 October 1994.

(2) **Area C** was determined to be uncontaminated, and not formerly used by the Department of Defense.

#### h. Other Environmental Hazards

No additional environmental hazards such as HTRW or BD/DR were encountered/observed during the site visit.

### 3. RECOMMENDATIONS

#### a. Summary of Recommendations

Table 3-1 provides a summary of recommended actions.

TABLE 3-1 SUMMARY OF RECOMMENDATIONS									
Area	Former Usage	Size/ Acres	PA Actions		OEW Actions			HTRW Actions	BD/DR Actions
			Prepare INPR	No Further Action	Perform ASR	Implement Interim Removal	Perform EE/CA	Perform SI	Perform SI
A	Coastal Artillery Fort	190.78	-	Yes	-	-	-	-	-
B	Artillery Impact Area	84,967.38	No	Yes	-	-	-	-	-
C	Land Areas	5,898.12	No	Yes	-	-	-	-	-

#### b. Preliminary Assessment Actions

The Preliminary Assessment of the Fort McKinley Military Reservation Findings and Determination of Eligibility (FDE) accurately describe the 190.78 acres as owned and used by the Defense Department (See plate 5).

#### c. Ordnance and Explosive Waste Actions

##### (1) **Area A:** Fort McKinley Military Reservation

No further action is recommended for the former Fort McKinley Military Reservation. There was no evidence developed that

indicated that OEW contamination is present in **Area A**. Considering the above factors a RAC of 5 is recommended (See Attachment A).

(2) **Area B:** Impact Area

No further action is recommended as there has been no history of OEW being found in this area. This area is potentially contaminated but is not currently FUDS eligible.

(3) **Area C:** Land Areas

No further action is required. This area was not formerly used by the Department of Defense and is not ordnance contaminated.

d. **Other Environmental Remediation Actions**

None are recommended at this time.

ORDNANCE AND EXPLOSIVE WASTE  
ARCHIVES SEARCH REPORT  
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ATTACHMENT A

RISK ASSESSMENT CODE

18 April 1994

Previous editions obsolete

RISK ASSESSMENT PROCEDURES FOR  
ORDNANCE AND EXPLOSIVE WASTE (OEW) SITES

Site Name	Fort McKinley Military Reservation	Rater's Name	Jerry D Russell
Site Location	Portland, Maine	Phone No.	309-794-5806
DERP Project #	D01ME042402	Organization	CENCR-ED-DN
Date Completed	16 October 1994	RAC Score	5

OEW RISK ASSESSMENT:

This risk assessment procedure was developed in accordance with MIL-STD 882C and AR 385-10. The RAC score will be used by CEHND to prioritize the remedial action at Formerly Used Defense Sites. The OEW risk assessment should be based upon best available information resulting from records searches, reports of Explosive Ordnance Disposal (EOD) detachment actions, and field observations, interviews, and measurements. This information is used to assess the risk involved based upon the potential OEW hazards identified at the site. The risk assessment is composed of two factors, **hazard severity and hazard probability**. Personnel involved in visits to potential OEW sites should view the CEHND video tape entitled "A Life Threatening Encounter: OEW."

Part 1. Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worst credible mishap resulting from personnel exposure to various types and quantities of unexploded ordnance items.

TYPES OF ORDNANCE  
(Circle all values that apply)

A. Conventional Ordnance and Ammunition	VALUE
Medium/Large Cal (20 mm and larger)	10
Bombs, Explosive	10
Grenades, Hand and Rifle, Explosive	10
Landmines, Explosive	10
Rockets, Guided Missiles, Explosive	10
Detonators, Blasting Caps, Fuzes, Boosters, Bursters	6
Bombs, Practice (w/spotting charges)	6
Grenades, Practice (w/spotting charges)	4
Landmines, Practice (w/spotting charges)	4
Small Arms (.22 cal - .50 cal)	1
Conventional Ordnance and Ammunition (Select the largest single value)	<u>0</u>

What evidence do you have regarding conventional OEW?

B. Pyrotechnics. (For munitions not described above)

	VALUE
Munition (Container) Containing White Phosphorous or other Pyrophoric Material (i.e., Spontaneously Flammable)	10
Munition Containing a Flame or Incendiary Material (i.e. Napalm, Triethylaluminum Metal Incendiaries)	6
Flares, Signals, Simulators, Screening Smokes (other than WP)	4
Pyrotechnics <u>(Select the largest single value)</u>	<u>0</u>

What evidence do you have regarding pyrotechnics?

C. Bulk High Explosives (Not an integral part of convention ordnance;  
uncontainerized.)

	VALUE
Primary or Initiating Explosive (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10
Demolition Charges	10
Secondary Explosives (PETN, Composition A, B, C, Tetryl, TNT, RDX, HMX, HBX, Black Powder, etc.).	8
Military Dynamite	6
Less Sensitive Explosives (Ammonium Nitrate, Explosive D, etc.).	3
High Explosives <u>(Select the largest single value)</u>	<u>0</u>

What evidence do you have regarding bulk explosives?

D. Bulk Propellants (Not an integral part of rockets, guided missiles, or other  
conventional ordnance; uncontainerized)

	VALUE
Solid or Liquid Propellants	6
Propellants	<u>0</u>
What evidence do you have regarding propellants?	

E. Chemical Warfare Material and Radiological Weapons

	VALUE
Toxic Chemical Agents (Choking, Nerve, Blood, Blister)	25
War Gas Identification Sets	20
Radiological	15
Riot Control Agents (Vomiting, Tear)	5
Radiological/Chemical Agent <u>(Select the largest single value)</u>	<u>0</u>

What evidence do you have of chemical/radiological OEW?

=====

Total Hazard Severity Value	<u>0</u>
<u>(Sum of Largest Values for A through E--Maximum of 61)</u>	
Apply this value to Table 1 to determine Hazard Severity Category.	

TABLE 1

HAZARD SEVERITY

Description	Category	Hazard Severity Value
CATASTROPHIC	I	21 and greater
CRITICAL	II	10 to 20
MARGINAL	III	5 to 9
NEGLIGIBLE	IV	1 to 4
**NONE		(0)

\* Apply Hazard Severity Category to Table 3.

\*\* If Hazard Severity Value is 0, you do not need to complete Part II. Proceed to Part III and use a RAC score of 5 to determine your appropriate action.

Part II. Hazard Probability. The probability that a hazard has been or will be created due to the presence and other related factors of unexploded ordnance or explosive materials on a formerly used DOD site.

AREA, EXTENT, ACCESSIBILITY OF OEW HAZARD  
(Circle all values that apply)

A. Locations of OEW Hazards

	VALUE
On the surface	5
Within Tanks, Pipes, Vessels or Other confined locations	4
Inside walls, ceilings, or other parts of Buildings or Structures	3
Subsurface	2
Location (Select the single largest value)	_____
What evidence do you have regarding location of OEW?	_____
_____	_____

B. Distance to nearest inhabited locations or structures likely to be at risk from OEW hazard (roads, parks, playgrounds, and buildings).

	VALUE
Less than 1250 feet	5
1250 feet to 0.5 miles	4
0.5 miles to 1.0 miles	3
1.0 miles to 2.0 miles	2
Over 2 miles	1
Distance (Select the single largest value)	_____
What are the nearest inhabited structures?	_____
_____	_____

C. Number of buildings within a 2 mile radius measured from the OEW hazard area, not the installation boundary.

	VALUE
26 and over	5
16 to 25	4
11 to 15	3
6 to 10	2
1 to 5	1
0	0
Number of Buildings <u>(Select the single largest value)</u>	_____
Narrative _____	_____

D. Types of Buildings (within a 2 mile radius)

	VALUE
Educational, Child Care, Residential, Hospitals, Hotels, Commercial, Shopping Centers	5
Industrial, Warehouse, etc.	4
Agricultural, Forestry, etc.	3
Detention, Correctional	2
No Buildings	0
Types of Buildings <u>(Select the largest single value)</u>	_____
Describe types of buildings in the area. _____	_____

E. Accessibility to site refers to access by humans to ordnance and explosive wastes. Use the following guidance:

BARRIER	VALUE
No barrier or security system	5
Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing.	4
A barrier, (of any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site.	3
Security guard, but no barrier	2
Isolated Site	1
a 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) which continuously monitors and controls entry onto the facility, or An artificial or natural barrier (e.g., a fence combined with a cliff), which completely surrounds the facility; and a means to control entry, at all times, through the gates or other entrances to the facility (e.g., an attendant, television monitor, locked entrance, or controlled roadway access to the facility).	0
Accessibility ( <u>Select the single largest value</u> )	_____
Describe the site accessibility.	_____

F. Site Dynamics - This deals with site conditions that are subject to change in the future, but may be stable at the present. Example would be excessive soil erosion by beaches or streams, increasing land development that could reduce distance from the site to inhabited areas or otherwise increase accessibility.

	VALUE
Expected	5
None Anticipated	0
Site Dynamics ( <u>Select largest value</u> )	_____
Describe the site dynamics.	_____

Total Hazard Probability Value  
(Sum of Largest Values for A through F--Maximum of 30)

Apply this value to Hazard Probability Table 2 to determine  
Hazard Probability Level.

TABLE 2

HAZARD PROBABILITY

Description	Level	Hazard Probability Value
FREQUENT	A	27 or greater
PROBABLE	B	21 to 26
OCCASIONAL	C	15 to 20
REMOTE	D	8 to 14
IMPROBABLE	E	less than 8

\* Apply Hazard Probability Level to Table 3.

Part III. Risk Assessment. The risk assessment value for this site is determined using the following Table 3. Enter with the results of the hazard probability and hazard severity values.

TABLE 3

Probability Level		FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
Severity Category:						
CATASTROPHIC	I	1	1	2	3	4
CRITICAL	II	1	2	3	4	5
MARGINAL	III	2	3	4	4	5
NEGLIGIBLE	IV	3	4	4	5	5

RISK ASSESSMENT CODE (RAC)

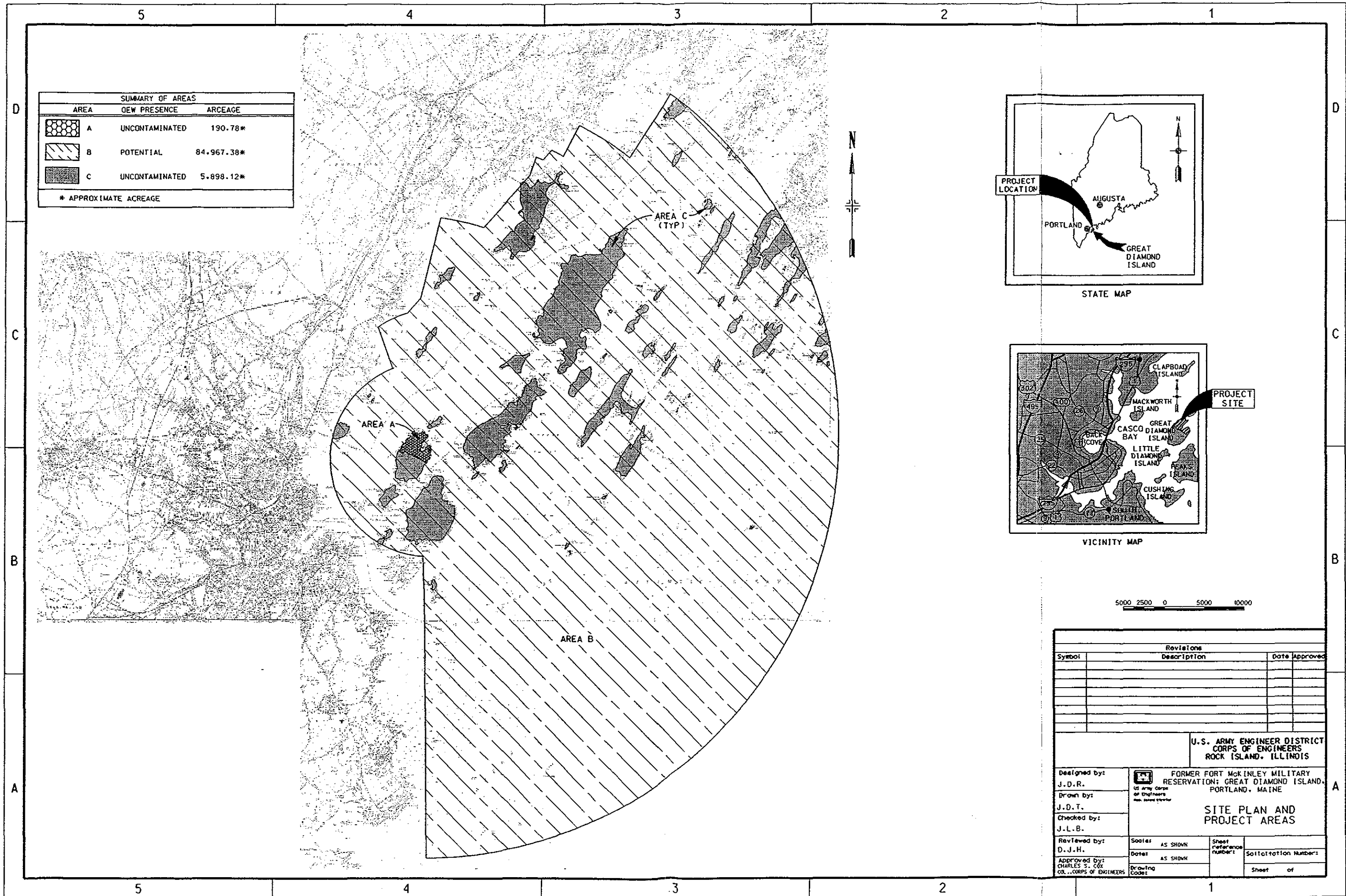
- RAC 1 Expedite INPR, recommending further action by CEHND - Immediately call CEHND-ED-SY--Comercial 205-955-4968 or DSN 645-4968.
- RAC 2 High priority on completion of INPR - Recommend further action by CEHND.
- RAC 3 Complete INPR - Recommend further action by CEHND.
- RAC 4 Complete INPR - Recommend further action by CEHND.
- (RAC 5) Usually indicates that no further action (NOFA) is necessary. Submit NOFA and RAC to CEHND.

=====  
Part IV. Narrative. Summarize the documented evidence that support this risk assessment. If no documented evidence was available, explain all the assumptions that you made.

The site visit and archive search developed no evidence of OEW contamination at the former Fort McKinley Military Reservation.

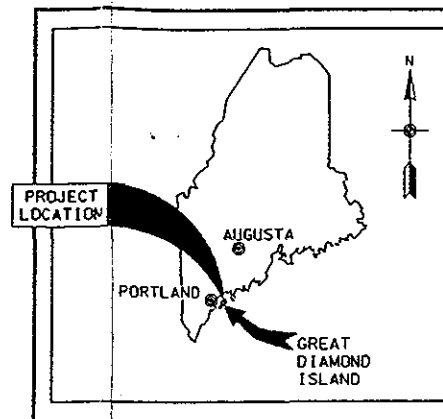
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REPORT PLATES

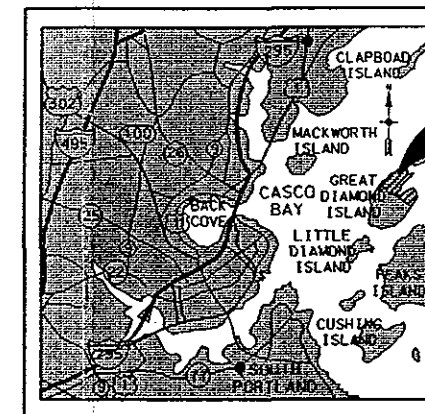


SUMMARY OF AREAS		
AREA	QEW PRESENCE	ARCEAGE
A	UNCONTAMINATED	190.78*
B	POTENTIAL	84,967.38*
C	UNCONTAMINATED	5,898.12*

\* APPROXIMATE ACREAGE



STATE MAP

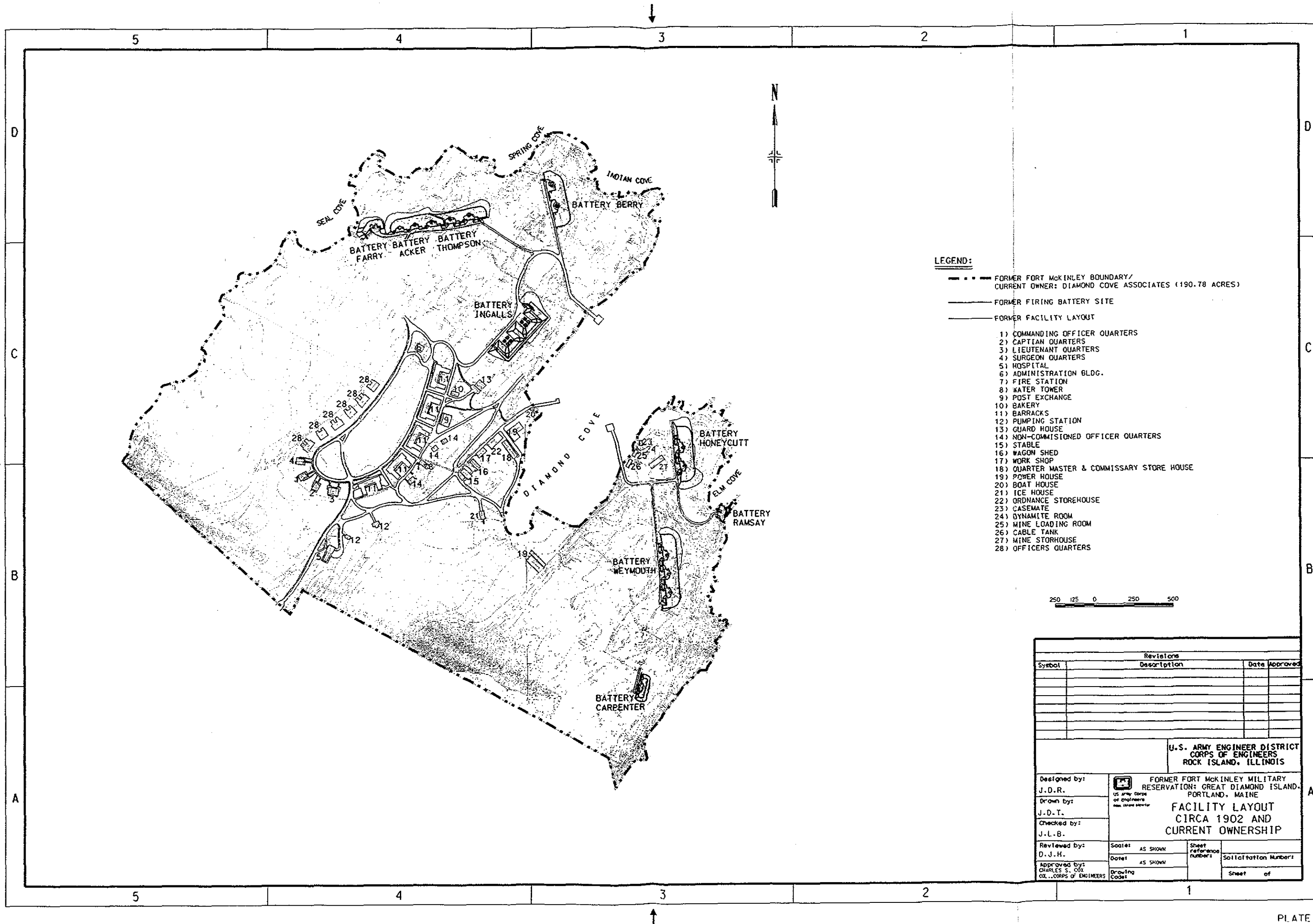


VICINITY MAP

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Revisions			
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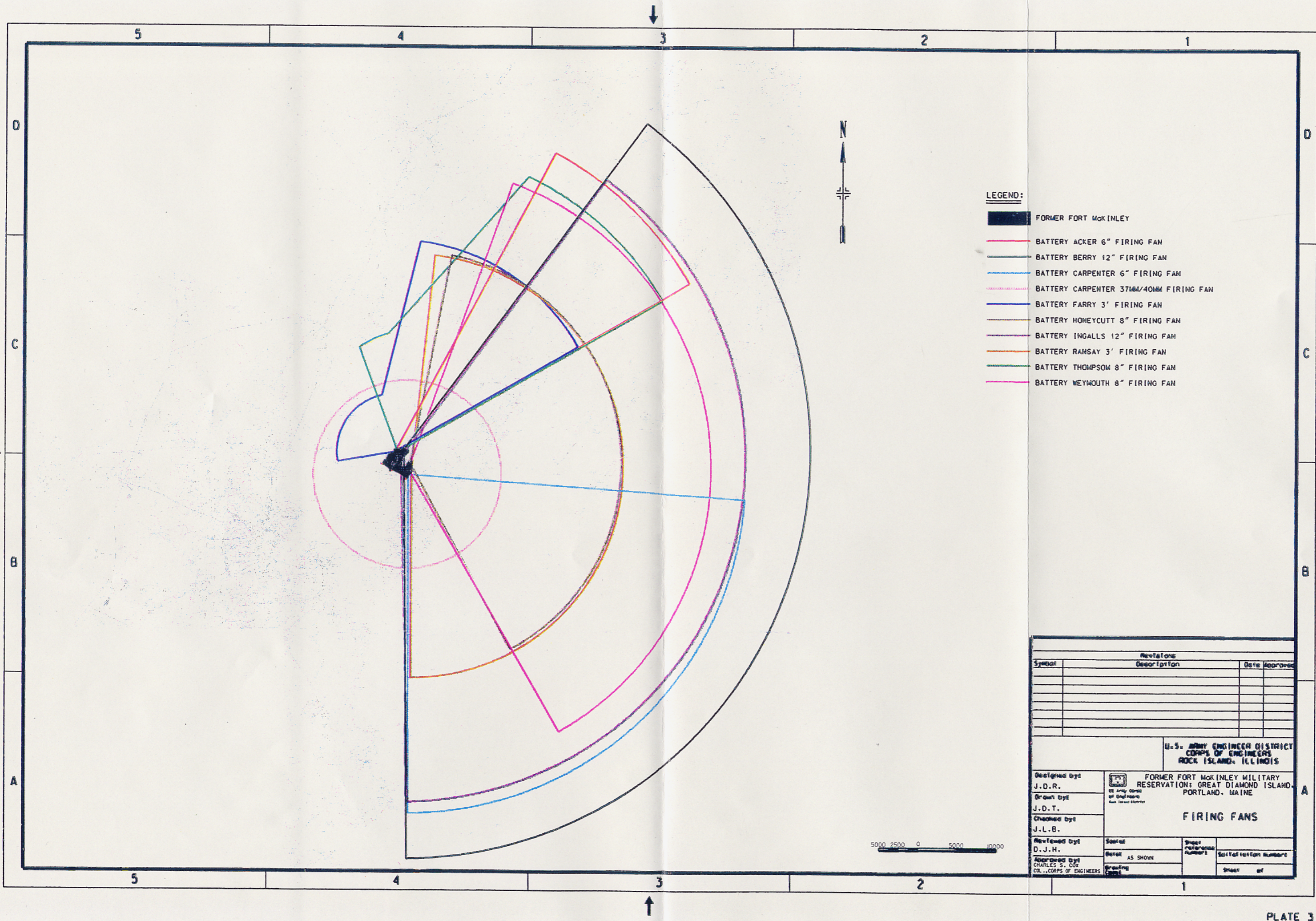
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			
Designed by: J.D.R.	FORMER FORT MCKINLEY MILITARY RESERVATION, GREAT DIAMOND ISLAND, PORTLAND, MAINE  <b>SITE PLAN AND PROJECT AREAS</b>		
Drawn by: J.D.T.			
Checked by: J.L.B.			
Reviewed by: D.J.H.			
Approved by: CHARLES S. COX COL., CORPS OF ENGINEERS	Station: AS SHOWN Date: AS SHOWN Drawing Code:	Sheet reference number: Solitation Number: Sheet of	



Revisions			
Symbol	Description	Date	Approved

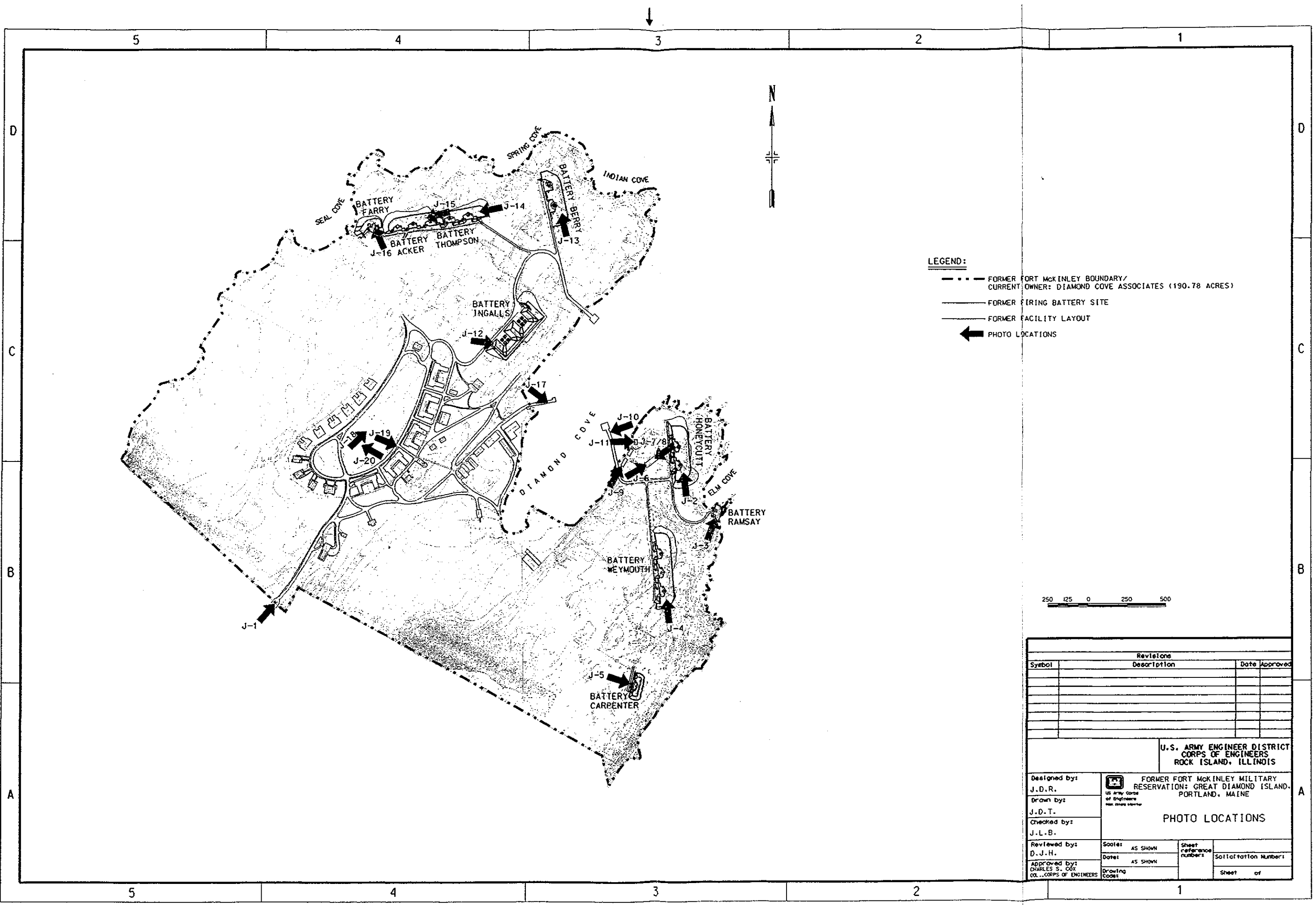
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			
Designed by: J.D.R.	FORMER FORT MCKINLEY MILITARY RESERVATION: GREAT DIAMOND ISLAND, PORTLAND, MAINE  <b>FACILITY LAYOUT CIRCA 1902 AND CURRENT OWNERSHIP</b>	A	
Drawn by: J.D.T.			
Checked by: J.L.B.			
Reviewed by: D.J.H.			
Approved by: CHARLES S. COX COL., CORPS OF ENGINEERS	Scale: AS SHOWN	Sheet reference number: 1	Solicitation Number:
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Revisions		
Symbol	Description	Date Approved

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Designed by J.D.R. Drawn by J.D.T. Checked by J.L.B. Reviewed by D.J.H. Approved by CHARLES S. COX COL., CORPS OF ENGINEERS	FORMER FORT MCKINLEY MILITARY RESERVATION: GREAT DIAMOND ISLAND PORTLAND, MAINE  <b>FIRING FANS</b>  Sheet AS SHOWN Drawing Date
Sheet reference number	Sheet of Section Number




**LEGEND:**

- FORMER FORT MCKINLEY BOUNDARY/  
CURRENT OWNER: DIAMOND COVE ASSOCIATES (190.78 ACRES)
- FORMER FIRING BATTERY SITE
- FORMER FACILITY LAYOUT
- ← PHOTO LOCATIONS

250 125 0 250 500

Revisions			
Symbol	Description	Date	Approved

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			
Designed by: J.D.R.	 <b>FORMER FORT MCKINLEY MILITARY RESERVATION: GREAT DIAMOND ISLAND, PORTLAND, MAINE</b>	<b>PHOTO LOCATIONS</b>	
Drawn by: J.D.T.			
Checked by: J.L.B.			
Reviewed by: D.J.H.			
Approved by: CHARLES S. COX COL., CORPS OF ENGINEERS	Scale: AS SHOWN Date: AS SHOWN Drawing Code:	Sheet reference numbers: Sheet of	Solicitation Number: Sheet of